

Testimony in Support of HB 6022 As Originally Submitted  
"An Act Concerning Thermal Energy Transportation  
In the City Of Bridgeport"  
Submitted by NuPower Thermal, LLC 3/17/15

Chairmen Doyle & Reed & Committee Members,

My name is Scott Guilmartin and I am appearing before you today to ask for your support for HB 6022, as originally submitted, by the members of the Bridgeport delegation. When the Renewable Portfolio Standard was established, District Energy was largely unknown or considered in Connecticut. We believe the thermal energy output of the project is unique and the environmental and economic benefits so compelling as to warrant Class 1 RECS.

The Bridgeport District Energy system will capture waste heat generated from existing class 1,2 and 3 sources currently vented into the atmosphere and create low temperature hot water to heat over 40 buildings. The system will create chilled water for cooling during off peak periods and store chilled water for deployment during peak demand. As a result, the operating efficiency of our generation sources rises dramatically, some to over 80 percent.

When completed the initial phases will reduce the carbon footprint of our customers by over 70 per cent. The annual reduction of CO2 emissions is projected at over 9500 tons per year. Our customer base will largely decouple from natural gas usage, which will greatly reduce local natural gas distribution constraints.

On the economic side, the project will generate \$50M in direct economic development into the Bridgeport economy. Approximately 20 full time jobs will be created. Customers will enjoy a reduction in energy and management costs. The development of this system will serve as a catalyst for additional economic growth. For example, a data center under development in the City will benefit by our chilled water system and will be able to direct their heat back into the system.

District Energy is recognized as an advanced pioneering approach for energy creation and delivery. Due to Bridgeport's existing generating

facilities a system of this size and scope can be achieved. The project has already received national recognition. With your support of the legislation as originally proposed, the Bridgeport District Energy System will become the lynchpin for the Bridgeport Eco-Park and a national model.